BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements Roads From NH-07 to Sanjeevininagar up to Hebbala Sarovara layout in ward no 07 and ward No 08 in kodigehalli sub division.

Pre Measurment Book

1st and Final Bill

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements Roads From NH-07 to Sanjeevininagar up to Hebbala Sarovara layout in ward no 07 and ward No 08 in kodigehalli sub division.

Premeasurement recorded on: 25/11/2022

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
1	Removing and Refixing stone slabs of drains and pointing in C.M(1:3) (p no 25 l no 5.33of pw,p&IWTD SR 2018-19)									
	2ND CROSS ROAD SHANTIVANA FROM BARRIES ROAD RHS									
	37.20	40.60	1.00	3.40	0.90	0.90	0.90		3.06	
	52.40	58.60	1.00	6.20	0.90	0.90	0.90		5.58	
	70.70	74.10	1.00	3.40	0.90	0.90	0.90		3.06	
	253.00	255.50	1.00	2.50	0.90	0.90	0.90		2.25	
	277.80	304.60	1.00	26.80	1.20	1.20	1.20		32.16	
	347.20	354.90	1.00	7.70	1.20	1.20	1.20		9.24	
	354.90	361.00	1.00	6.10	0.90	0.90	0.90		5.49	
	363.70	369.40	1.00	5.70	1.00	1.00	1.00		5.70	
	371.70	381.80	1.00	10.10	1.20	1.20	1.20		12.12	
	381.80	391.50	1.00	9.70	0.90	0.90	0.90		8.73	
	2ND CROSS ROAD SHANTIVANA FROM BARRIES ROAD LHS									
	35.70	44.30	1.00	8.60	1.50	1.50	1.50		12.90	
	46.20	48.30	1.00	2.10	1.50	1.50	1.50		3.15	
	50.70	55.50	1.00	4.80	1.50	1.50	1.50		7.20	
	61.00	76.00	1.00	15.00	1.00	1.00	1.00		15.00	
	76.00	83.70	1.00	7.70	1.50	1.50	1.50		11.55	
	83.70	106.20	1.00	22.50	1.20	1.20	1.20		27.00	
	180.00	188.00	1.00	8.00	1.20	1.20	1.20		9.60	
	213.90	227.60	1.00	13.70	1.00	1.00	1.00		13.70	
	229.00	246.60	1.00	17.60	1.20	1.20	1.20		21.12	
	301.70	331.70	1.00	30.00	1.00	1.00	1.00		30.00	
	331.70	352.70	1.00	21.00	1.00	1.00	1.00		21.00	
								Total Qnty	**259.61**	**Sqm**

259.61

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Contractor Representative

Asst Engineer
25/11/22

Asst. Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements Roads From NH-07 to Sanjeevininagar up to Hebbala Sarovara layout in ward no 07 and ward No 08 in kodigehalli sub division.

Premeasurement recorded on: 30/11/22, 1/12/22, 3/12/22, 6/12/22, 9/12/22

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
2	KSRRB300-1 : Earthwork excavation by manual means in ordinary soil involving as average horizontal throw upto 2 mters and an average lifts upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications MORTH/ Chapter 3 (p no 142 I no 19.1 of pw,p&IWTD SR 2018-19)									
	2ND CROSS ROAD SHANTIVANA FROM BARRIES ROAD RHS									
	0.00	30.00	1.00	30.00	1.10	1.10	1.10	0.90	29.70	
	30.00	37.20	1.00	7.20	1.10	1.10	1.10	0.90	7.13	
	37.20	40.60	1.00	3.40	1.10	1.10	1.10	0.90	3.37	
	40.60	52.40	1.00	11.80	1.10	1.10	1.10	0.90	11.68	
	52.40	58.60	1.00	6.20	1.10	1.10	1.10	0.90	6.14	
	58.60	70.70	1.00	12.10	1.10	1.10	1.10	0.90	11.98	
	70.70	74.10	1.00	3.40	1.10	1.10	1.10	0.90	3.37	
	74.10	97.70	1.00	23.60	1.10	1.10	1.10	0.90	23.36	
	97.70	101.40	1.00	3.70						NO WORK
	101.40	131.40	1.00	30.00	1.10	1.10	1.10	0.90	29.70	
	131.40	159.40	1.00	28.00	1.10	1.10	1.10	0.90	27.72	
	159.40	174.70	1.00	15.30						NO WORK
	174.70	191.20	1.00	16.50	1.10	1.10	1.10	0.90	16.34	
	191.20	201.30	1.00	10.10						NO WORK
	201.30	231.30	1.00	30.00	1.10	1.10	1.10	0.90	29.70	
	231.30	253.00	1.00	21.70	1.10	1.10	1.10	0.90	21.48	
	253.00	255.50	1.00	2.50	1.10	1.10	1.10	0.90	2.48	
	255.50	263.40	1.00	7.90	1.10	1.10	1.10	0.90	7.82	
	263.40	277.80	1.00	14.40						NO WORK
	277.80	304.60	1.00	26.80	1.10	1.10	1.10	0.90	26.53	
	304.60	334.60	1.00	30.00	1.10	1.10	1.10	0.90	29.70	
	334.60	347.20	1.00	12.60	1.10	1.10	1.10	0.90	12.47	
	347.20	354.90	1.00	7.70	1.10	1.10	1.10	0.90	7.62	
	354.90	361.00	1.00	6.10	1.10	1.10	1.10	0.90	6.04	
	361.00	363.70	1.00	2.70	1.10	1.10	1.10	0.90	2.67	
	363.70	369.40	1.00	5.70	1.10	1.10	1.10	0.90	5.64	
	369.40	371.70	1.00	2.30	1.10	1.10	1.10	0.90	2.28	
	371.70	381.80	1.00	10.10	1.10	1.10	1.10	0.90	10.00	
	381.80	391.50	1.00	9.70	1.10	1.10	1.10	0.90	9.60	
	391.50	408.70	1.00	17.20	1.10	1.10	1.10	0.90	17.03	

361.55

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	2ND CROSS ROAD SHANTIVANA FROM BARRIES ROAD LHS									
	0.00	30.00	1.00	30.00	1.10	1.10	1.10	0.90	29.70	
	30.00	35.70	1.00	5.70	1.10	1.10	1.10	0.90	5.64	
	35.70	44.30	1.00	8.60	1.10	1.10	1.10	0.90	8.51	
	44.30	46.20	1.00	1.90	1.10	1.10	1.10	0.90	1.88	
	46.20	48.30	1.00	2.10	1.10	1.10	1.10	0.90	2.08	
	48.30	50.70	1.00	2.40	1.10	1.10	1.10	0.90	2.38	
	50.70	55.50	1.00	4.80	1.10	1.10	1.10	0.90	4.75	
	55.50	61.00	1.00	5.50	1.10	1.10	1.10	0.90	5.45	
	61.00	76.00	1.00	15.00	1.10	1.10	1.10	0.90	14.85	
	76.00	83.70	1.00	7.70	1.10	1.10	1.10	0.90	7.62	
	83.70	106.20	1.00	22.50	1.10	1.10	1.10	0.90	22.28	
	106.20	136.20	1.00	30.00	1.10	1.10	1.10	0.90	29.70	
	136.20	166.20	1.00	30.00	1.10	1.10	1.10	0.90	29.70	
	166.20	180.00	1.00	13.80	1.10	1.10	1.10	0.90	13.66	
	180.00	188.00	1.00	8.00	1.10	1.10	1.10	0.90	7.92	
	188.00	192.60	1.00	4.60	1.10	1.10	1.10	0.90	4.55	
	192.60	207.50	1.00	14.90	1.10	1.10	1.10	0.90	14.75	
	207.50	213.90	1.00	6.40						NO WORK
	213.90	227.60	1.00	13.70	1.10	1.10	1.10	0.90	13.56	
	227.60	229.00	1.00	1.40	1.10	1.10	1.10	0.90	1.39	
	229.00	246.60	1.00	17.60	1.10	1.10	1.10	0.90	17.42	
	246.60	253.40	1.00	6.80	1.10	1.10	1.10	0.90	6.73	
	253.40	265.80	1.00	12.40						NO WORK
	265.80	295.80	1.00	30.00	1.10	1.10	1.10	0.90	29.70	
	295.80	301.70	1.00	5.90	1.10	1.10	1.10	0.90	5.84	
	301.70	331.70	1.00	30.00	1.10	1.10	1.10	0.90	29.70	
	331.70	352.70	1.00	21.00	1.10	1.10	1.10	0.90	20.79	
	352.70	411.50	1.00	58.80						NO WORK
	New Culverts									
	0.00	10.00	1.00	10.00	1.30	1.30	1.30	0.90	11.70	
	0.00	8.20	1.00	8.20	1.30	1.30	1.30	0.90	9.59	
	Cross road									
	0.00	30.00	1.00	30.00	1.10	1.10	1.10	0.90	29.70	
	30.00	60.00	1.00	30.00	1.10	1.10	1.10	0.90	29.70	
	60.00	90.00	1.00	30.00	1.10	1.10	1.10	0.90	29.70	
	90.00	120.00	1.00	30.00	1.10	1.10	1.10	0.90	29.70	
	120.00	150.00	1.00	30.00	1.10	1.10	1.10	0.90	29.70	
	150.00	180.00	1.00	30.00	1.10	1.10	1.10	0.90	29.70	

530.06

Assistant Executive Engineer
Kodigehalli Sub Division
DBMP, Bangalore

Assistant Executive Engineer
Kodigehalli Sub Division

SLNO	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	180.00	210.00	1.00	30.00	1.10	1.10	1.10	0.90	29.70	
	210.00	240.00	1.00	30.00	1.10	1.10	1.10	0.90	29.70	
	240.00	262.00	1.00	22.00	1.10	1.10	1.10	0.90	21.78	
								Total Qnty	972.78	Cum

81.18

Contractor Representative

Asst Engineer

Asst Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

me of Work: Improvements Roads From NH-07 to Sanjeevininagar up to Hebbala Sarovara out in ward no 07 and ward No 08 in kodigehalli sub division.

Premeasurement recorded on: 30/11/2022, 1/12/22, 3/12/22, 6/12/22, 9/12/22

NO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
3	KSRB M2100-10 : Providing and laying plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89 cum and fine aggregtes @ 0.46cum, in foundation machanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labours, HOM curing, from works, scffolding and centering complete as per specifications.(P.No- 222, I.No-27.18)									
	2ND CROSS ROAD SHANTIVANA FROM BARRIES ROAD RHS									
	0.00	30.00	1.00	30.00	1.10	1.10	1.10	0.15	4.95	
	30.00	37.20	1.00	7.20	1.10	1.10	1.10	0.15	1.19	
	37.20	40.60	1.00	3.40	1.10	1.10	1.10	0.15	0.56	
	40.60	52.40	1.00	11.80	1.10	1.10	1.10	0.15	1.95	
	52.40	58.60	1.00	6.20	1.10	1.10	1.10	0.15	1.02	
	58.60	70.70	1.00	12.10	1.10	1.10	1.10	0.15	2.00	
	70.70	74.10	1.00	3.40	1.10	1.10	1.10	0.15	0.56	
	74.10	97.70	1.00	23.60	1.10	1.10	1.10	0.15	3.89	
	97.70	101.40	1.00	3.70						NO WORK
	101.40	131.40	1.00	30.00	1.10	1.10	1.10	0.15	4.95	
	131.40	159.40	1.00	28.00	1.10	1.10	1.10	0.15	4.62	
	159.40	174.70	1.00	15.30						NO WORK
	174.70	191.20	1.00	16.50	1.10	1.10	1.10	0.15	2.72	
	191.20	201.30	1.00	10.10						NO WORK
	201.30	231.30	1.00	30.00	1.10	1.10	1.10	0.15	4.95	
	231.30	253.00	1.00	21.70	1.10	1.10	1.10	0.15	3.58	
	253.00	255.50	1.00	2.50	1.10	1.10	1.10	0.15	0.41	
	255.50	263.40	1.00	7.90	1.10	1.10	1.10	0.15	1.30	
	263.40	277.80	1.00	14.40						NO WORK
	277.80	304.60	1.00	26.80	1.10	1.10	1.10	0.15	4.42	
	304.60	334.60	1.00	30.00	1.10	1.10	1.10	0.15	4.95	
	334.60	347.20	1.00	12.60	1.10	1.10	1.10	0.15	2.08	
	347.20	354.15	1.00	6.95	1.10	1.10	1.10	0.15	1.15	
	354.15	361.00	1.00	6.85	1.10	1.10	1.10	0.15	1.13	
	361.00	363.70	1.00	2.70	1.10	1.10	1.10	0.15	0.45	
	363.70	369.40	1.00	5.70	1.10	1.10	1.10	0.15	0.94	
	369.40	371.70	1.00	2.30	1.10	1.10	1.10	0.15	0.38	
	371.70	381.80	1.00	10.10	1.10	1.10	1.10	0.15	1.67	

55.82

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Assistant Executive Engineer
Kodigehalli Sub Division

NO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	381.80	391.50	1.00	9.70	1.10	1.10	1.10	0.15	1.60	
	391.50	408.70	1.00	17.20	1.10	1.10	1.10	0.15	2.84	
	2ND CROSS ROAD SHANTIVANA FROM BARRIES ROAD LHS									
	0.00	30.00	1.00	30.00	1.10	1.10	1.10	0.15	4.95	
	30.00	35.70	1.00	5.70	1.10	1.10	1.10	0.15	0.94	
	35.70	44.30	1.00	8.60	1.10	1.10	1.10	0.15	1.42	
	44.30	46.20	1.00	1.90	1.10	1.10	1.10	0.15	0.31	
	46.20	48.30	1.00	2.10	1.10	1.10	1.10	0.15	0.35	
	48.30	50.70	1.00	2.40	1.10	1.10	1.10	0.15	0.40	
	50.70	55.50	1.00	4.80	1.10	1.10	1.10	0.15	0.79	
	55.50	61.00	1.00	5.50	1.10	1.10	1.10	0.15	0.91	
	61.00	76.00	1.00	15.00	1.10	1.10	1.10	0.15	2.48	
	76.00	83.70	1.00	7.70	1.10	1.10	1.10	0.15	1.27	
	83.70	106.20	1.00	22.50	1.10	1.10	1.10	0.15	3.71	
	106.20	136.20	1.00	30.00	1.10	1.10	1.10	0.15	4.95	
	136.20	166.20	1.00	30.00	1.10	1.10	1.10	0.15	4.95	
	166.20	180.00	1.00	13.80	1.10	1.10	1.10	0.15	2.28	
	180.00	188.00	1.00	8.00	1.10	1.10	1.10	0.15	1.32	
	188.00	192.60	1.00	4.60	1.10	1.10	1.10	0.15	0.76	
	192.60	207.50	1.00	14.90	1.10	1.10	1.10	0.15	2.46	
	207.50	213.90	1.00	6.40						NO WORK
	213.90	227.60	1.00	13.70	1.10	1.10	1.10	0.15	2.26	
	227.60	229.00	1.00	1.40	1.10	1.10	1.10	0.15	0.23	
	229.00	246.60	1.00	17.60	1.10	1.10	1.10	0.15	2.90	
	246.60	253.40	1.00	6.80	1.10	1.10	1.10	0.15	1.12	
	253.40	265.80	1.00	12.40						NO WORK
	265.80	295.80	1.00	30.00	1.10	1.10	1.10	0.15	4.95	
	295.80	301.70	1.00	5.90	1.10	1.10	1.10	0.15	0.97	
	301.70	331.70	1.00	30.00	1.10	1.10	1.10	0.15	4.95	
	331.70	352.70	1.00	21.00	1.10	1.10	1.10	0.15	3.47	
	352.70	411.50	1.00	58.80						NO WORK
	New Culverts									
	0.00	10.00	1.00	10.00	1.30	1.30	1.30	0.20	2.60	
	0.00	8.20	1.00	8.20	1.30	1.30	1.30	0.20	2.13	
	Cross road									
	0.00	30.00	1.00	30.00	1.10	1.10	1.10	0.15	4.95	
	30.00	60.00	1.00	30.00	1.10	1.10	1.10	0.15	4.95	
	60.00	90.00	1.00	30.00	1.10	1.10	1.10	0.15	4.95	

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

79.11

Assistant Executive Engineer
Kodigehalli Sub Division

NO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	90.00	120.00	1.00	30.00	1.10	1.10	1.10	0.15	4.95	
	120.00	150.00	1.00	30.00	1.10	1.10	1.10	0.15	4.95	
	150.00	180.00	1.00	30.00	1.10	1.10	1.10	0.15	4.95	
	180.00	210.00	1.00	30.00	1.10	1.10	1.10	0.15	4.95	
	210.00	240.00	1.00	30.00	1.10	1.10	1.10	0.15	4.95	
	240.00	262.00	1.00	22.00	1.10	1.10	1.10	0.15	3.63	
								Total Qnty	163.31	Cum

28.38

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Contractor Representative

Asst Engineer

Asst.Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements Roads From NH-07 to Sanjeevininagar up to Hebbala Sarovara layout in ward no 07 and ward No 08 in kodigehalli sub division.

Premeasurement recorded on: 1/12/22, 3/12/22, 6/12/22, 9/12/22, 12/12/22

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
4	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specifications. Page No.271. Item No.37.59									
	Bottom raft									
	2ND CROSS ROAD SHANTIVANA FROM BARRIES ROAD RHS									
	0.00	30.00	1.00	30.00	0.90	0.90	0.90	0.15	4.05	
	30.00	37.20	1.00	7.20	0.90	0.90	0.90	0.15	0.97	
	37.20	40.60	1.00	3.40	0.90	0.90	0.90	0.15	0.46	
	40.60	52.40	1.00	11.80	0.90	0.90	0.90	0.15	1.59	
	52.40	58.60	1.00	6.20	0.90	0.90	0.90	0.15	0.84	
	58.60	70.70	1.00	12.10	0.90	0.90	0.90	0.15	1.63	
	70.70	74.10	1.00	3.40	0.90	0.90	0.90	0.15	0.46	
	74.10	97.70	1.00	23.60	0.90	0.90	0.90	0.15	3.19	
	97.70	101.40	1.00	3.70						NO WORK
	101.40	131.40	1.00	30.00	0.90	0.90	0.90	0.15	4.05	
	131.40	159.40	1.00	28.00	0.90	0.90	0.90	0.15	3.78	
	159.40	174.70	1.00	15.30						NO WORK
	174.70	191.20	1.00	16.50	0.90	0.90	0.90	0.15	2.23	
	191.20	201.30	1.00	10.10						NO WORK
	201.30	231.30	1.00	30.00	0.90	0.90	0.90	0.15	4.05	
	231.30	253.00	1.00	21.70	0.90	0.90	0.90	0.15	2.93	
	253.00	255.50	1.00	2.50	0.90	0.90	0.90	0.15	0.34	
	255.50	263.40	1.00	7.90	0.90	0.90	0.90	0.15	1.07	
	263.40	277.80	1.00	14.40						NO WORK
	277.80	304.60	1.00	26.80	0.90	0.90	0.90	0.15	3.62	
	304.60	334.60	1.00	30.00	0.90	0.90	0.90	0.15	4.05	
	334.60	347.20	1.00	12.60	0.90	0.90	0.90	0.15	1.70	
	347.20	354.15	1.00	6.95	0.90	0.90	0.90	0.15	0.94	
	354.15	361.00	1.00	6.85	0.90	0.90	0.90	0.15	0.92	
	361.00	363.70	1.00	2.70	0.90	0.90	0.90	0.15	0.36	
	363.70	369.40	1.00	5.70	0.90	0.90	0.90	0.15	0.77	
	369.40	371.70	1.00	2.30	0.90	0.90	0.90	0.15	0.31	
	371.70	381.80	1.00	10.10	0.90	0.90	0.90	0.15	1.36	
	381.80	391.50	1.00	9.70	0.90	0.90	0.90	0.15	1.31	
	391.50	408.70	1.00	17.20	0.90	0.90	0.90	0.15	2.32	
	2ND CROSS ROAD SHANTIVANA FROM BARRIES ROAD LHS									
	0.00	30.00	1.00	30.00	0.90	0.90	0.90	0.15	4.05	

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

53.35

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	30.00	35.70	1.00	5.70	0.90	0.90	0.90	0.15	0.77	
	35.70	44.30	1.00	8.60	0.90	0.90	0.90	0.15	1.16	
	44.30	46.20	1.00	1.90	0.90	0.90	0.90	0.15	0.26	
	46.20	48.30	1.00	2.10	0.90	0.90	0.90	0.15	0.28	
	48.30	50.70	1.00	2.40	0.90	0.90	0.90	0.15	0.32	
	50.70	55.50	1.00	4.80	0.90	0.90	0.90	0.15	0.65	
	55.50	61.00	1.00	5.50	0.90	0.90	0.90	0.15	0.74	
	61.00	76.00	1.00	15.00	0.90	0.90	0.90	0.15	2.03	
	76.00	83.70	1.00	7.70	0.90	0.90	0.90	0.15	1.04	
	83.70	106.20	1.00	22.50	0.90	0.90	0.90	0.15	3.04	
	106.20	136.20	1.00	30.00	0.90	0.90	0.90	0.15	4.05	
	136.20	166.20	1.00	30.00	0.90	0.90	0.90	0.15	4.05	
	166.20	180.00	1.00	13.80	0.90	0.90	0.90	0.15	1.86	
	180.00	188.00	1.00	8.00	0.90	0.90	0.90	0.15	1.08	
	188.00	192.60	1.00	4.60	0.90	0.90	0.90	0.15	0.62	
	192.60	207.50	1.00	14.90	0.90	0.90	0.90	0.15	2.01	
	207.50	213.90	1.00	6.40						NO WORK
	213.90	227.60	1.00	13.70	0.90	0.90	0.90	0.15	1.85	
	227.60	229.00	1.00	1.40	0.90	0.90	0.90	0.15	0.19	
	229.00	246.60	1.00	17.60	0.90	0.90	0.90	0.15	2.38	
	246.60	253.40	1.00	6.80	0.90	0.90	0.90	0.15	0.92	
	253.40	265.80	1.00	12.40						NO WORK
	265.80	295.80	1.00	30.00	0.90	0.90	0.90	0.15	4.05	
	295.80	301.70	1.00	5.90	0.90	0.90	0.90	0.15	0.80	
	301.70	331.70	1.00	30.00	0.90	0.90	0.90	0.15	4.05	
	331.70	352.70	1.00	21.00	0.90	0.90	0.90	0.15	2.84	
	352.70	411.50	1.00	58.80						NO WORK
	New Culverts									
	0.00	10.00	1.00	10.00	1.20	1.20	1.20	0.20	2.40	
	0.00	8.20	1.00	8.20	1.20	1.20	1.20	0.20	1.97	
	Cross road									
	0.00	30.00	1.00	30.00	0.90	0.90	0.90	0.15	4.05	
	30.00	60.00	1.00	30.00	0.90	0.90	0.90	0.15	4.05	
	60.00	90.00	1.00	30.00	0.90	0.90	0.90	0.15	4.05	
	90.00	120.00	1.00	30.00	0.90	0.90	0.90	0.15	4.05	
	120.00	150.00	1.00	30.00	0.90	0.90	0.90	0.15	4.05	
	150.00	180.00	1.00	30.00	0.90	0.90	0.90	0.15	4.05	
	180.00	210.00	1.00	30.00	0.90	0.90	0.90	0.15	4.05	
	210.00	240.00	1.00	30.00	0.90	0.90	0.90	0.15	4.05	
	240.00	262.00	1.00	22.00	0.90	0.90	0.90	0.15	2.97	
	Side wall									
	2ND CROSS ROAD SHANTIVANA FROM BARRIES ROAD RHS									
	0.00	30.00	2.00	30.00	0.15	0.15	0.15	0.60	5.40	
	30.00	37.20	2.00	7.20	0.15	0.15	0.15	0.60	1.30	

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

87.46

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	37.20	40.60	2.00	3.40	0.15	0.15	0.15	0.60	0.61	
	40.60	52.40	2.00	11.80	0.15	0.15	0.15	0.60	2.12	
	52.40	58.60	2.00	6.20	0.15	0.15	0.15	0.60	1.12	
	58.60	70.70	2.00	12.10	0.15	0.15	0.15	0.60	2.18	
	70.70	74.10	2.00	3.40	0.15	0.15	0.15	0.60	0.61	
	74.10	97.70	2.00	23.60	0.15	0.15	0.15	0.60	4.25	
	97.70	101.40	2.00	3.70						NO WORK
	101.40	131.40	2.00	30.00	0.15	0.15	0.15	0.60	5.40	
	131.40	159.40	2.00	28.00	0.15	0.15	0.15	0.60	5.04	
	159.40	174.70	2.00	15.30						NO WORK
	174.70	191.20	2.00	16.50	0.15	0.15	0.15	0.60	2.97	
	191.20	201.30	2.00	10.10						NO WORK
	201.30	231.30	2.00	30.00	0.15	0.15	0.15	0.60	5.40	
	231.30	253.00	2.00	21.70	0.15	0.15	0.15	0.60	3.91	
	253.00	255.50	2.00	2.50	0.15	0.15	0.15	0.60	0.45	
	255.50	263.40	2.00	7.90	0.15	0.15	0.15	0.60	1.42	
	263.40	277.80	2.00	14.40						NO WORK
	277.80	304.60	2.00	26.80	0.15	0.15	0.15	0.60	4.82	
	304.60	334.60	2.00	30.00	0.15	0.15	0.15	0.60	5.40	
	334.60	347.20	2.00	12.60	0.15	0.15	0.15	0.60	2.27	
	347.20	354.15	2.00	6.95	0.15	0.15	0.15	0.60	1.25	
	354.15	361.00	2.00	6.85	0.15	0.15	0.15	0.60	1.23	
	361.00	363.70	2.00	2.70	0.15	0.15	0.15	0.60	0.49	
	363.70	369.40	2.00	5.70	0.15	0.15	0.15	0.60	1.03	
	369.40	371.70	2.00	2.30	0.15	0.15	0.15	0.60	0.41	
	371.70	381.80	2.00	10.10	0.15	0.15	0.15	0.60	1.82	
	381.80	391.50	2.00	9.70	0.15	0.15	0.15	0.60	1.75	
	391.50	408.70	2.00	17.20	0.15	0.15	0.15	0.60	3.10	
	2ND CROSS ROAD SHANTIVANA FROM BARRIES ROAD LHS									
	0.00	30.00	2.00	30.00	0.15	0.15	0.15	0.60	5.40	
	30.00	35.70	2.00	5.70	0.15	0.15	0.15	0.60	1.03	
	35.70	44.30	2.00	8.60	0.15	0.15	0.15	0.60	1.55	
	44.30	46.20	2.00	1.90	0.15	0.15	0.15	0.60	0.34	
	46.20	48.30	2.00	2.10	0.15	0.15	0.15	0.60	0.38	
	48.30	50.70	2.00	2.40	0.15	0.15	0.15	0.60	0.43	
	50.70	55.50	2.00	4.80	0.15	0.15	0.15	0.60	0.86	
	55.50	61.00	2.00	5.50	0.15	0.15	0.15	0.60	0.99	
	61.00	76.00	2.00	15.00	0.15	0.15	0.15	0.60	2.70	
	76.00	83.70	2.00	7.70	0.15	0.15	0.15	0.60	1.39	
	83.70	106.20	2.00	22.50	0.15	0.15	0.15	0.60	4.05	
	106.20	136.20	2.00	30.00	0.15	0.15	0.15	0.60	5.40	
	136.20	166.20	2.00	30.00	0.15	0.15	0.15	0.60	5.40	
	166.20	180.00	2.00	13.80	0.15	0.15	0.15	0.60	2.48	

91.44

Assistant Executive Engineer
Kodigehalli Sub Division
BEML, Bangalore

Assistant Executive Engineer
Kodigehalli Sub Division

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	180.00	188.00	2.00	8.00	0.15	0.15	0.15	0.60	1.44	
	188.00	192.60	2.00	4.60	0.15	0.15	0.15	0.60	0.83	
	192.60	207.50	2.00	14.90	0.15	0.15	0.15	0.60	2.68	
	207.50	213.90	2.00	6.40						NO WORK
	213.90	227.60	2.00	13.70	0.15	0.15	0.15	0.60	2.47	
	227.60	229.00	2.00	1.40	0.15	0.15	0.15	0.60	0.25	
	229.00	246.60	2.00	17.60	0.15	0.15	0.15	0.60	3.17	
	246.60	253.40	2.00	6.80	0.15	0.15	0.15	0.60	1.22	
	253.40	265.80	2.00	12.40						NO WORK
	265.80	295.80	2.00	30.00	0.15	0.15	0.15	0.60	5.40	
	295.80	301.70	2.00	5.90	0.15	0.15	0.15	0.60	1.06	
	301.70	331.70	2.00	30.00	0.15	0.15	0.15	0.60	5.40	
	331.70	352.70	2.00	21.00	0.15	0.15	0.15	0.60	3.78	
	352.70	411.50	2.00	58.80						NO WORK
	New Culverts									
	0.00	10.00	2.00	10.00	0.23	0.23	0.23	0.60	2.76	
	0.00	8.20	2.00	8.20	0.23	0.23	0.23	0.60	2.26	
	Cross road									
	0.00	30.00	2.00	30.00	0.15	0.15	0.15	0.60	5.40	
	30.00	60.00	2.00	30.00	0.15	0.15	0.15	0.60	5.40	
	60.00	90.00	2.00	30.00	0.15	0.15	0.15	0.60	5.40	
	90.00	120.00	2.00	30.00	0.15	0.15	0.15	0.60	5.40	
	120.00	150.00	2.00	30.00	0.15	0.15	0.15	0.60	5.40	
	150.00	180.00	2.00	30.00	0.15	0.15	0.15	0.60	5.40	
	180.00	210.00	2.00	30.00	0.15	0.15	0.15	0.60	5.40	
	210.00	240.00	2.00	30.00	0.15	0.15	0.15	0.60	5.40	
	240.00	262.00	2.00	22.00	0.15	0.15	0.15	0.60	3.96	
	Cross road drain bed concrete									
	0.00	30.00	1.00	30.00	0.60	0.60	0.60	0.20	3.60	
	30.00	60.00	1.00	30.00	0.60	0.60	0.60	0.20	3.60	
	60.00	75.00	1.00	15.00	0.60	0.60	0.60	0.20	1.80	
								Total Qnty	**321.14**	**Cum**

88-89

Contractor Representative

Asst Engineer

Asst.Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements Roads From NH-07 to Sanjeevininagar up to Hebbala Sarovara layout in ward no 07 and ward No 08 in kodigehalli sub division.

Premeasurement recorded on: 30/11/22, 1/12/22, 2/12/22, 4/12/22

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	BI (m)	Avg B (m)	D (m)	QTY	REMARKS
5	KSRRB M 2200-6 Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. MORTH Specification No 1600 & 2200 TMT Bars Fe 500 Page No 229 Item No 28.8.2 SR 2018-19								

SL NO	Dia of Bar in mm	Side	Spacing of Bar	Nos	Length of Bar in Mtr	Total length of bar in Mtr	Type of Bar	Standard weight per Mtr in Kgs	Weight of Steel in Kgs	
	2ND CROSS ROAD SHANTIVANA FROM BARRIES ROAD RHS									
1	10	1.00	100mm c/c	3652	2.10	7669.20	Main Bar	0.617	4731.90	
2	8	1.00	150mm c/c	14	365.20	5112.80	Distribution Bar	0.395	2019.56	
	2ND CROSS ROAD SHANTIVANA FROM BARRIES ROAD LHS									
1	10	1.00	100mm c/c	3339	2.10	7011.90	Main Bar	0.617	4326.34	
2	8	1.00	150mm c/c	14	333.9	4674.60	Distribution Bar	0.395	1846.47	
	CROSS ROAD									
1	10	1.00	100mm c/c	2620	2.10	5502.00	Main Bar	0.617	3394.73	
2	8	1.00	150mm c/c	14	262.00	3668.00	Distribution Bar	0.395	1448.86	
	New culverts									
1	12	2.00	100mm c/c	182	2.40	436.80	Main Bar	0.890	777.50	
2	10	2.00	150mm c/c	16	18.2	291.20	Distribution Bar	0.617	359.34	
								Total Qnty	**18,904.70**	**Kgs**
								Total Qnty	**18.90**	**tonne**

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Contractor Representative

Asst Engineer

Asst Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

ne of Work: Improvements Roads From NH-07 to Sanjeevininagar up to Hebbala Sarovara layout in d no 07 and ward No 08 in kodigehalli sub division.

Premeasurement recorded on:

NO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
8	Earth work excavation for Foundation by mechanical means for all works & depth upto 3 m, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenaces required to complete the work In all kinds of soils Depth upto 3 m. Vol-1. PWDSR 2021 22,Pno.8.ItNo.1.14.1									
	Cross road NTI layout									
	0.00	30.00	1.00	30.00	6.00	6.00	6.00	0.35	63.00	
	30.00	60.00	1.00	30.00	6.00	6.00	6.00	0.35	63.00	
	60.00	90.00	1.00	30.00	6.00	6.00	6.00	0.35	63.00	
	90.00	98.50	1.00	8.50	6.00	6.00	6.00	0.35	17.85	
								Total Qnty	**206.85**	**Cum**

206.85

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Contractor Representative

Asst Engineer

Asst.Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements Roads From NH-07 to Sanjeevininagar up to Hebbala Sarovara layout in ward no 07 and ward No 08 in kodigehalli sub division.

Premeasurement recorded on: 02/02/23

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
E1	Construction of Granular Sub-Base of required grading as per design spreading in uniform layers with motor grader on prepared surface mixing by mix in place method with front end loader at OMC and compacting with vibratory roller to achieve the desired density, complete as per clause 401 For Grading - V Material Vol-3. PWD SR 2021-22,Pg no.19.It No.4.2 (V)									
	Cross road NTI layout									
	0.00	30.00	1.00	30.00	6.00	6.00	6.00	0.15	27.00	
	30.00	60.00	1.00	30.00	6.00	6.00	6.00	0.15	27.00	
	60.00	90.00	1.00	30.00	6.00	6.00	6.00	0.15	27.00	
	90.00	98.50	1.00	8.50	6.00	6.00	6.00	0.15	7.65	
								Total Qnty	**88.65**	**Cum**

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Contractor Representative

Asst Engineer

Asst.Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements Roads From NH-07 to Sanjeevininagar up to Hebbala Sarovara layout in ward no 07 and ward No 08 in kodigehalli sub division.

Premeasurement recorded on: 06/07/23

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
E2	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density. Vol-3. PWDSR 2021 22,Pno.24.ItNo.4.27									
	Cross road NTI layout									
	0.00	30.00	1.00	30.00	6.00	6.00	6.00	0.25	45.00	
	30.00	60.00	1.00	30.00	6.00	6.00	6.00	0.25	45.00	
	60.00	90.00	1.00	30.00	6.00	6.00	6.00	0.25	45.00	
	90.00	98.50	1.00	8.50	6.00	6.00	6.00	0.25	12.75	
								Total Qnty	**147.75**	**Cum**

Contractor Representative

Asst Engineer

Asst Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

ne of Work: Improvements Roads From NH-07 to Sanjeevininagar up to Hebbala Sarovara layout in ward no and ward No 08 in kodigehalli sub division.

Premeasurement recorded on: 14/02/23

NO	CHAINAGE Land Mark		NO	L (m)	B (m)	BI (m)	Avg B (m)	D (m)	QTY	REMARKS
E3	Providing and applying primer coat with SS1 grade Bitumen Emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.90kg per m2 using mechanical means. Vol-3. PWDSR 2021 22,Pno.29.ItNo.5.1(Issue Rate 07/07/2022)									
	Cross road NTI layout									
	0.00	30.00	1.00	30.00	6.00	6.00	6.00		180.00	
	30.00	60.00	1.00	30.00	6.00	6.00	6.00		180.00	
	60.00	90.00	1.00	30.00	6.00	6.00	6.00		180.00	
	90.00	98.50	1.00	8.50	6.00	6.00	6.00		51.00	
								Total Qnty	**591.00**	**Sqm**

Contractor Representative

Asst Engineer

Asst.Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements Roads From NH-07 to Sanjeevininagar up to Hebbala Sarovara layout in ward no 07 and ward No 08 in kodigehalli sub division.

Premeasurement recorded on: 14/02/23

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
E4	Providing and laying Dense Graded Bituminous Macadam with 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 505 complete in all respects. Vol-3. PWDSR 2021 22,Pno.33.ItNo.5.12 C (Issue Rate 07/07/2022)									
	Cross road NTI layout									
	0.00	30.00	1.00	30.00	6.00	6.00	6.00	0.05	9.00	
	30.00	60.00	1.00	30.00	6.00	6.00	6.00	0.05	9.00	
	60.00	90.00	1.00	30.00	6.00	6.00	6.00	0.05	9.00	
	90.00	98.50	1.00	8.50	6.00	6.00	6.00	0.05	2.55	
								Total Qnty	29.55	Cum

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Contractor Representative

Asst Engineer

Asst.Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements Roads From NH-07 to Sanjeevininagar up to Hebbala Sarovara layout in ward no 07 and ward No 08 in kodigehalli sub division.

Premeasurement recorded on: 16/02/23

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
E5	Providing and applying tack coat with RS1 Bituminous Emulsion using emulsion pressure distributor at the rate of 0.20 kg/m2 on the prepared bituminous surface cleaned with mechanical broom Vol-3. PWDSR 2021 22,Pno.29.ItNo.5.3 (Issue Rate 07/07/2022)									
	Cross road NTI layout									
	0.00	30.00	1.00	30.00	6.00	6.00	6.00		180.00	
	30.00	60.00	1.00	30.00	6.00	6.00	6.00		180.00	
	60.00	90.00	1.00	30.00	6.00	6.00	6.00		180.00	
	90.00	98.50	1.00	8.50	6.00	6.00	6.00		51.00	
								Total Qnty	**591.00**	**Sqm**

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Contractor Representative

Asst Engineer

Asst.Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements Roads From NH-07 to Sanjeevininagar up to Hebbala Sarovara layout in ward no 07 and ward No 08 in kodigehalli sub division.

Detailed Measurment Book

1st and Final Bill

MEASUREMENT

1st AND FINAL BILL

work: **Improvements Roads From NH-07 to Sanjeevininagar up to Hebbala Sarovara layout in ward no 07 and ward No 08 in kodigehalli sub division.**

cording:

Description of item	No	L	B1	B2	Av.B	D	Qty	Unit	Rate	Amount
Removing and Refixing stone slabs of drains and pointing in C.M(1:3) (p no 25 l no 5.33of pw,p&IWTD SR 2018-19)										
Vide pre-Messurement sheet page no 1										
Qnty to be Paid							259.61	Sqm	120.00	31,153.20
KSRRB300-1 : Earthwork excavation by manual means in ordinary soil involving as average horizontal throw upto 2 mters and an average lifts upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications MORTH/ Chapter 3 (p no 142 l no 19.1 of pw,p&IWTD SR 2018-19)										
Vide pre-Messurement sheet page no 2 to 4										
Qnty to be Paid							972.78	Cum	145.00	1,41,053.54
KSRB M2100-10 : Providing and laying plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89 cum and fine aggregtes @ 0.46cum, in foundation machanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labours, HOM curing, from works, scffolding and centering complete as per specifications.(P.No- 222, I.No-27.18)										
Vide pre-Messurement sheet page no 5 to 7										9,97,007.55
Qnty to be Paid							163.31	Cum	6105.00	9,97,028.92
Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specifications. Page No.271. Item No.37.59										
Vide pre-Messurement sheet page no 8 to 11										2604445.60
Qnty to be Paid							321.14	Cum	8110.00	26,04,426.75
KSRRB M 2200-6 Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. MORTH Specification No 1600 & 2200 TMT Bars Fe 500 Page No 229 Item No 28.8.2 SR 2018-19										
Vide pre-Messurement sheet page no 12										1796161.50
Qnty to be Paid							18.90	Tonne	95035.00	1796608.21

RACTOR

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements Roads From NH-07 to Sanjeevininagar up to Hebbala Sarovara layout in ward no 07 and ward No 08 in kodigehalli sub division.

Measurement recorded on: 18/12/22, 18/12/22, 20/12/22

SLNO	CHAINAGE Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS	Rate	Amount
6	Providing and Fixing RCC pre cast covering Slab of 100mm thick for drains in cement concrete M25 using graded granite jelly 20mm and down size with steel reinforecement , inclunding form work, lift charges, curing and concrete finishined surfaces on both side etc., complete as per drawing and the directions of Engineer in-charge.(Date rate)										
	2ND CROSS ROAD SHANTIVANA FROM BARRIES ROAD RHS										
	0.00	30.00	1.00	30.00	0.90	0.90	0.90	27.00			
	30.00	37.20	1.00	7.20	0.90	0.90	0.90	6.48			
	40.60	52.40	1.00	11.80	0.90	0.90	0.90	10.62			
	58.60	70.70	1.00	12.10	0.90	0.90	0.90	10.89			
	74.10	97.70	1.00	23.60	0.90	0.90	0.90	21.24			
	101.40	131.40	1.00	30.00	0.90	0.90	0.90	27.00			
	131.40	159.40	1.00	28.00	0.90	0.90	0.90	25.20			
	174.70	191.20	1.00	16.50	0.90	0.90	0.90	14.85			
	201.30	231.30	1.00	30.00	0.90	0.90	0.90	27.00			
	231.30	253.00	1.00	21.70	0.90	0.90	0.90	19.53			
	255.50	263.40	1.00	7.90	0.90	0.90	0.90	7.11			
	304.60	334.60	1.00	30.00	0.90	0.90	0.90	27.00			
	334.60	347.20	1.00	12.60	0.90	0.90	0.90	11.34			
	361.00	363.70	1.00	2.70	0.90	0.90	0.90	2.43			
	369.40	371.70	1.00	2.30	0.90	0.90	0.90	2.07			
	391.50	408.70	1.00	17.20	0.90	0.90	0.90	15.48			
	2ND CROSS ROAD SHANTIVANA FROM BARRIES ROAD LHS										
	0.00	30.00	1.00	30.00	0.90	0.90	0.90	27.00			
	30.00	35.70	1.00	5.70	0.90	0.90	0.90	5.13			
	44.30	46.20	1.00	1.90	0.90	0.90	0.90	1.71			
	48.30	50.70	1.00	2.40	0.90	0.90	0.90	2.16			
	55.50	61.00	1.00	5.50	0.90	0.90	0.90	4.95			
	106.20	136.20	1.00	30.00	0.90	0.90	0.90	27.00			
	136.20	166.20	1.00	30.00	0.90	0.90	0.90	27.00			
	166.20	180.00	1.00	13.80	0.90	0.90	0.90	12.42			
	188.00	192.60	1.00	4.60	0.90	0.90	0.90	4.14			
	192.60	207.50	1.00	14.90	0.90	0.90	0.90	13.41			
	227.60	229.00	1.00	1.40	0.90	0.90	0.90	1.26			
	246.60	253.40	1.00	6.80	0.90	0.90	0.90	6.12			
	265.80	295.80	1.00	30.00	0.90	0.90	0.90	27.00			
	295.80	301.70	1.00	5.90	0.90	0.90	0.90	5.31			
	Cross road										
	0.00	30.00	1.00	30.00	0.90	0.90	0.90	27.00			
	30.00	60.00	1.00	30.00	0.90	0.90	0.90	27.00			
	60.00	90.00	1.00	30.00	0.90	0.90	0.90	27.00			
	90.00	120.00	1.00	30.00	0.90	0.90	0.90	27.00			

527.85

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore.

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS	Rate	Amount
	120.00	150.00	1.00	30.00	0.90	0.90	0.90		27.00			
	150.00	180.00	1.00	30.00	0.90	0.90	0.90		27.00			
	180.00	210.00	1.00	30.00	0.90	0.90	0.90		27.00			
	210.00	240.00	1.00	30.00	0.90	0.90	0.90		27.00			
	240.00	262.00	1.00	22.00	0.90	0.90	0.90		19.80			
	Cross road drain missing slab											
	0.00	30.00	1.00	30.00	0.90	0.90	0.90		27.00			
	30.00	60.00	1.00	30.00	0.90	0.90	0.90		27.00			
	60.00	75.00	1.00	15.00	0.90	0.90	0.90		13.50			
										195.30		
							Total Qnty		723.15	Sqm		
							BOQ Qnty		175.50	Sqm		515/04.24
						Qnty Up to 125%			219.38	Sqm	2,348.00	5,15,092.50
						Qnty Above 125%			503.78	Sqm	2,348.00	11,82,863.70 → 1182966.12

2348.18

Contractor Representative

Asst Engineer

Asst Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements Roads From NH-07 to Sanjeevininagar up to Hebbala Sarovara layout in ward no 07 and Ward No 08 in kodigehalli sub division.

Measurement recorded on: 22/12/22

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS	Rate	Amount
7	Providing and Fixing pre cast covering Slab 250mm thick made out of M25 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of all materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge. (Data Rate)										
	New Culverts										
	0.00	10.00	1.00	10.00	1.20	1.20	1.20	12.00			
	0.00	8.20	1.00	8.20	1.20	1.20	1.20	9.84			
							Total Qnty	21.84	Sqm		
							BOQ Qnty	12.00	Sqm		
						Qnty Up to 125%		15.00	Sqm	5,685.00	85,275.00
						Qnty Above 125%		6.84	Sqm	5,685.00	38,885.40

5687.22 38900.93

Contractor Representative

Asst Engineer

Asst Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

MEASUREMENT

RA 1st AND FINAL BILL

e of work: **Name of Work: Improvements Roads From NH-07 to Sanjeevininagar up to Hebbala Sarovara layout in ward no 07 and ward No 08 in kodigehalli sub division.**

of Recording:

No	Description of item	No	L	B1	B2	Av.B	D	Qty	Unit	Rate	Amount
3 9	Earth work excavation for Foundation by mechanical means for all works & depth upto 3 m, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenaces required to complete the work In all kinds of soils Depth upto 3 m. Vol-1. PWDSR 2021 22,Pno.8.ItNo.1.1.1										
	Vide pre-Messurement sheet page no (13)										
	Qnty to be Paid							206.85	Cum	165.00	34,130.25
E1	Construction of Granular Sub-Base of required grading as per design spreading in uniform layers with motor grader on prepared surface mixing by mix in place method with front end loader at OMC and compacting with vibratory roller to achieve the desired density, complete as per clause 401 For Grading -V Material Vol-3. PWD SR 2021-22,Pg no.19.It No.4.2 (V)										
	Vide pre-Messurement sheet page no (14)										
	Qnty to be Paid							88.65	Cum	2579.53	2,28,675.58 .33
E2	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density. Vol-3. PWDSR 2021 22,Pno.24.ItNo.4.27										
	Vide pre-Messurement sheet page no (15)										
	Qnty to be Paid							147.75	Cum	2764.28	4,08,422.37
E3	Providing and applying primer coat with SS1 grade Bitumen Emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.90kg per m2 using mechanical means. Vol-3. PWDSR 2021 22,Pno.29.ItNo.5.1(Issue Rate 07/07/2022)										
	Vide pre-Messurement sheet page no (16)										28663.50
	Qnty to be Paid							591.00	Sqm	48.50	28,661.22
E4	Providing and laying Dense Graded Bituminous Macadam with 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 505 complete in all respects. Vol-3. PWDSR 2021 22,Pno.33.ItNo.5.12 C (Issue Rate 07/07/2022)										
	Vide pre-Messurement sheet page no (17)										.25
	Qnty to be Paid							29.55	Cum	10552.53	3,11,827.24
E5	Providing and applying tack coat with RS1 Bituminous Emulsion using emulsion pressure distributor at the rate of 0.20 kg/m2 on the prepared bituminous surface cleaned with mechanical broom Vol-3. PWDSR 2021 22,Pno.29.ItNo.5.3 (Issue Rate 07/07/2022)										
	Vide pre-Messurement sheet page no (18)										8191.26
	Qnty to be Paid							591.00	Sqm	13.86	8,188.92

ONTRACTOR PMC Assistant Engineer Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

me of Work: Improvements Roads From NH-07 to Sanjeevininagar up to Hebbala Sarovara layout in ward 07 and ward No 08 in kodigehalli sub division.

Measurement recorded on: 16/02/23.

SLNO	CHAINAGE Land Mark	NO	L (m)	B (m)	BI (m)	Avg B (m)	D (m)	QTY	REMARKS	RATE	AMOUNT
E6	Providing and laying Bituminous Concrete with 40/60 TPH capacity hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 5.4 per cent of mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 complete in all respects Vol-3. PWDSR 2021 22,Pno.36.ItNo.5.16 C (Issue Rate 07/07/2022)										
	Cross road NTI layout										
	0.00	30.00	1.00	30.00	6.00	6.00	6.00	0.04	7.20		
	30.00	60.00	1.00	30.00	6.00	6.00	6.00	0.04	7.20		
	60.00	90.00	1.00	30.00	6.00	6.00	6.00	0.04	7.20		
	90.00	98.50	1.00	8.50	6.00	6.00	6.00	0.04	2.04		
							Total Qnty		**23.64**	**Cum**	**12,252.20**	**2,89,642.09**

Contractor Representative

Asst Engineer

Asst.Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

me of Work: Improvements Roads From NH-07 to Sanjeevininagar up to Hebbala Sarovara layout in ward no 07 ward No 08 in kodigehalli sub division.

Measurement recorded on:

LNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS	RATE	AMOUNT
E7	Road Marking with Hot Applied Thermoplastic Compound with Reflectorising Glass Beads on Bituminous Surface Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 g/m2 area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35:2015.The finished surface to be level, uniform and free from streaks and holes. Vol-3. PWDSR 2021 22,Pno.57.ItNo.8.15											
	Cross road NTI layout											
	0.00	30.00	2.00	30.00	0.10	0.10	0.10		6.00			
	30.00	60.00	2.00	30.00	0.10	0.10	0.10		6.00			
	60.00	90.00	2.00	30.00	0.10	0.10	0.10		6.00			
	90.00	98.50	2.00	8.50	0.10	0.10	0.10		1.70			
								Total Qnty	19.70	Sqm	551.93	10,873.07
											Total Amount	87,12,913.62
											Add 18% GST	15,68,324.45
											Grand Total	1,02,81,238.07

87,12,492.04
15,68,248.57
1028 0740.61
10280000.00 Round off

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Contractor Representative

Asst Engineer

Asst.Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore